

## ABSTRACT

An analysis may be represented as a feature in a feature-based model of a geometric object. The analysis is integrated directly into the model and may be recalculated in response to changes made to the model. Additional features may be created that reference the analysis feature. Likewise, the model may include features that reference the analysis without directly incorporating the analysis into the model as a feature. The analysis may be a system-defined analysis, a user defined analysis or an external analysis.

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1. The first step is to identify the problem. This involves understanding the current situation and the goals that need to be achieved.